



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS
OPEN MODE ASSAY**

Expiration Date: 2010-09-13		Quality Control Data Due Date #1: 2-Aug-10			Quality Control Data Due Date #2: 13-Sep-10		
Lot Number:		01750801		01750802		01750803	
Control:		L1:Level 1		L2:Level 2		L3:Level 3	
PARAMETERS	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	MEAN	EXPECTED RANGE	
OPEN	RBC (10 ¹² /L)	2.26	2.17 - 2.35	4.36	4.23 - 4.49	5.22	5.06 - 5.38
	HGB (g/dL)	5.6	5.4 - 5.8	11.9	11.5 - 12.3	15.6	15.1 - 16.1
	HCT (%)	17.0	16.2 - 17.9	34.8	33.2 - 36.4	44.5	42.5 - 46.5
	MCV (fL)	75.3	68.7 - 82.3	79.8	74.0 - 86.0	85.3	79.0 - 91.8
	MCH (pg)	24.8	22.9 - 26.8	27.3	25.7 - 29.0	29.8	28.1 - 31.7
	MCHC (g/dL)	32.9	30.1 - 36.1	34.2	31.7 - 36.9	35.0	32.5 - 37.8
	PLT (10 ⁹ /L)	54	32 - 76	206	183 - 229	500	455 - 545
	RDW-SD (fL)	45.3	40.8 - 49.8	44.2	39.8 - 48.6	44.3	39.9 - 48.7
	RDW-CV (%)	16.4	14.8 - 18.0	15.1	13.6 - 16.6	14.5	13.1 - 16.0
	MPV (fL)	9.0	8.3 - 9.7	9.4	8.8 - 10.0	9.6	9.0 - 10.2
	WBC (10 ⁹ /L)	2.99	2.69 - 3.29	6.95	6.53 - 7.37	16.59	15.59 - 17.59
	NEUT%	43.8	35.0 - 52.6	48.5	41.2 - 55.8	57.0	48.5 - 65.6
	LYMPH%	35.8	21.5 - 50.1	29.5	23.6 - 35.4	20.8	16.6 - 25.0
	MONO%	11.0	2.2 - 19.8	11.2	6.7 - 15.7	10.5	7.4 - 13.7
	EO%	9.5	6.7 - 12.4	10.8	7.6 - 14.0	11.7	8.8 - 14.6
	BASO%	63.6	44.5 - 82.7	70.0	49.0 - 91.0	78.8	59.1 - 98.5
	NEUT# (10 ⁹ /L)	1.31	1.05 - 1.57	3.37	2.86 - 3.88	9.47	8.05 - 10.89
	LYMPH# (10 ⁹ /L)	1.07	0.64 - 1.50	2.05	1.64 - 2.46	3.45	2.76 - 4.14
	MONO# (10 ⁹ /L)	0.33	0.07 - 0.59	0.78	0.31 - 1.25	1.73	1.04 - 2.42
	EO# (10 ⁹ /L)	0.28	0.20 - 0.36	0.75	0.53 - 0.98	1.94	1.46 - 2.43
	BASO# (10 ⁹ /L)	1.90	1.33 - 2.47	4.87	3.41 - 6.33	13.08	9.81 - 16.35
	NRBC# (10 ⁹ /L)	2.88	2.59 - 3.17	6.74	6.34 - 7.14	16.83	15.82 - 17.84
	NRBC% (/100 WBC)	100.0	N/A - N/A	100.0	N/A - N/A	100.0	N/A - N/A
	PLT-O (10 ⁹ /L)	58	32 - 84	208	177 - 239	505	429 - 581
	RET# (10 ¹² /L)	0.1580	0.1106 - 0.2054	0.1195	0.0837 - 0.1554	0.0577	0.0404 - 0.0750
	RET%	7.00	4.90 - 9.10	2.74	1.92 - 3.56	1.11	0.78 - 1.44
	IRF (%)	21.8	1.8 - 41.8	20.6	0.6 - 40.6	16.5	0.0 - 36.5
	^a IG #	0.31	0.28 - 0.34	0.79	0.59 - 0.99	2.24	1.57 - 2.91
	^a IG %	10.41	7.29 - 13.53	11.31	8.48 - 14.14	13.49	8.09 - 18.89
	^b HPC #	0.012	0.010 - 0.014	0.034	0.031 - 0.037	0.098	0.088 - 0.108
^c RET-HE (pg)	23.9	16.7 - 31.1	24.6	18.5 - 30.8	25.4	15.2 - 35.6	
^d IPF (%)	21.8	18.5 - 25.1	22.0	18.7 - 25.3	22.5	19.1 - 25.9	

^a IG values are only available with the Sysmex XE-Series IG Master software.
^b HPC values are only available with the Sysmex XE-Series HPC Master software.
^c RET-HE values are only available with the Sysmex XE-Series RET Master software.
^d IPF values are only available with the Sysmex XE-Series IPF Master software.



**HEMATOLOGY CONTROL FOR SYSMEX XE SERIES ANALYZERS
CLOSED MODE ASSAY**

Expiration Date		2010-09-13		Quality Control Data Due Date #1:		2-Aug-10		Quality Control Data Due Date #2:		13-Sep-10	
Lot Number:		01750801			01750802			01750803			
Control:		L1:Level 1			L2:Level 2			L3:Level 3			
PARAMETERS		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		MEAN	EXPECTED RANGE		
CLOSED	RBC (10 ¹² /L)	2.26	2.12	- 2.40	4.36	4.14	- 4.58	5.22	4.96	- 5.48	
	HGB (g/dL)	5.6	5.3	- 5.9	11.9	11.3	- 12.5	15.6	14.8	- 16.4	
	HCT (%)	17.0	15.8	- 18.2	34.8	32.7	- 36.9	44.5	41.8	- 47.2	
	MCV (fL)	75.3	66.0	- 85.6	79.8	71.5	- 89.1	85.3	76.3	- 95.1	
	MCH (pg)	24.8	22.0	- 27.9	27.3	24.7	- 30.2	29.8	27.0	- 33.0	
	MCHC (g/dL)	32.9	28.9	- 37.5	34.2	30.6	- 38.2	35.0	31.4	- 39.2	
	PLT (10 ⁹ /L)	53	27	- 80	198	168	- 227	465	395	- 535	
	RDW-SD (fL)	45.3	40.8	- 49.8	44.2	39.8	- 48.6	44.3	39.9	- 48.7	
	RDW-CV (%)	16.4	14.8	- 18.0	15.1	13.6	- 16.6	14.5	13.1	- 16.0	
	MPV (fL)	9.0	8.3	- 9.7	9.4	8.8	- 10.0	9.6	9.0	- 10.2	
	WBC (10 ⁹ /L)	2.90	2.47	- 3.34	6.60	6.01	- 7.20	16.26	14.96	- 17.56	
	NEUT%	43.7	34.9	- 52.4	48.8	41.5	- 56.1	56.5	48.0	- 65.0	
	LYMPH%	35.8	21.5	- 50.1	29.2	23.3	- 35.0	21.2	17.0	- 25.5	
	MONO%	11.4	2.3	- 20.5	11.1	6.7	- 15.5	10.3	7.2	- 13.4	
	EO%	9.2	6.4	- 11.9	10.9	7.6	- 14.2	11.9	8.9	- 14.9	
	BASO%	64.2	44.9	- 83.5	68.6	48.0	- 89.2	77.2	57.9	- 96.5	
	NEUT# (10 ⁹ /L)	1.27	1.01	- 1.52	3.22	2.74	- 3.71	9.19	7.81	- 10.57	
	LYMPH# (10 ⁹ /L)	1.04	0.62	- 1.45	1.93	1.54	- 2.31	3.45	2.76	- 4.14	
	MONO# (10 ⁹ /L)	0.33	0.07	- 0.59	0.73	0.29	- 1.17	1.68	1.01	- 2.35	
	EO# (10 ⁹ /L)	0.27	0.19	- 0.35	0.72	0.50	- 0.94	1.94	1.46	- 2.43	
	BASO# (10 ⁹ /L)	1.86	1.30	- 2.42	4.53	3.17	- 5.89	12.56	9.42	- 15.70	
	NRBC# (10 ⁹ /L)	2.85	2.57	- 3.14	6.61	6.21	- 7.00	16.66	15.66	- 17.66	
	NRBC% (/100 WBC)	100.0	N/A	- N/A	100.0	N/A	- N/A	100.0	N/A	- N/A	
	PLT-O (10 ⁹ /L)	55	28	- 83	204	173	- 234	495	421	- 569	
	RET# (10 ¹² /L)	0.1580	0.1106	- 0.2054	0.1195	0.0837	- 0.1554	0.0577	0.0404	- 0.0750	
	RET%	7.00	4.90	- 9.10	2.74	1.92	- 3.56	1.11	0.78	- 1.44	
	IRF (%)	21.8	1.8	- 41.8	20.6	0.6	- 40.6	16.5	0.0	- 36.5	
	^a IG #	0.31	0.28	- 0.34	0.79	0.59	- 0.99	2.24	1.57	- 2.91	
^a IG %	10.41	7.29	- 13.53	11.31	8.48	- 14.14	13.49	8.09	- 18.89		
^b HPC #	0.012	0.010	- 0.014	0.034	0.031	- 0.037	0.098	0.088	- 0.108		
^c RET-HE (pg)	23.9	16.7	- 31.1	24.6	18.5	- 30.8	25.4	15.2	- 35.6		
^d IPF (%)	21.8	18.5	- 25.1	22.0	18.7	- 25.3	22.5	19.1	- 25.9		

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